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### 1 [SHARP: an architecture for secure resource peering](#)

[Yun Fu, Jeffrey Chase, Brent Chun, Stephen Schwab, Amin Vahdat](#)

December 2003 SOSP '03: Proceedings of the nineteenth ACM symposium systems principles

Publisher: ACM

 Full text available: Pdf (339.51 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 107, Citation (

This paper presents Sharp, a framework for secure distributed resource an Internet-scale computing infrastructure. The cornerstone of Sharp is represent cryptographically protected resource <it>claims</it> ---prom

Key words: peer-to-peer, resource allocation, resource peering

Also published in:

December 2003 SIGOPS Operating Systems Review Volume 37 Issue 5

### 2 [Ticket-based fine-grained authorization service in the dynamic VO en](#)

[Byung Joon Kim, Sung Je Hong, Jong Kim](#)

October 2004 SWS '04: Proceedings of the 2004 workshop on Secure web : Publisher: ACM

 Full text available: Pdf (468.17 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

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Virtual Organization (VO) is a collection of users and distributed resource resources are shared by users. Creating VOs is very important task in G VOs are dynamically created for some goals and then disappear after th

Key words: VO, XML security, fine-grained authorization, grid, virtual o

### 3 [Decentralized access control in distributed file systems](#)

[Stefan Miltchev, Jonathan M. Smith, Vassilis Prevelakis, Angelos Keromytis](#)

August 2008 Computing Surveys (CSUR) , Volume 40 Issue 3

Publisher: ACM

 Full text available: Pdf (801.64 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 97, Downloads (12 Months): 837, Citation


The Internet enables global sharing of data across organizational bound file systems facilitate data sharing in the form of remote file access. How access control mechanisms used in distributed file systems are intended

Keywords: Authentication, authorization, certificates, credentials, access control, networked file systems, trust management

#### 4 [Access control for large collections](#)

 [H. M. Gladney](#)

April 1997 Transactions on Information Systems (TOIS) , Volume 15 Issue  
Publisher: ACM


Full text available:  [Pdf](#) (482.88 KB) Additional Information: [full citation](#), [abstract](#), [referrer terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 167, Citation

Efforts to place vast information resources at the fingertips of each individual user populations must be balanced by commensurate attention to information security. For distributed systems with less-structured tasks, more-diversified information

Keywords: access control, digital library, document, electronic library, security

#### 5 [People-centric urban sensing](#)

 [Andrew T. Campbell](#), [Shane B. Eisenman](#), [Nicholas D. Lane](#), [Emiliano Miluzzo](#), [Peterson](#)

August 2006 WICON '06: Proceedings of the 2nd annual international workshop on internet  
internet  
Publisher: ACM

Full text available:  [Pdf](#) (249.73 KB) Additional Information: [full citation](#), [abstract](#), [referrer terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 294, Citation

The vast majority of advances in sensor network research over the last decade have focused on the development of a series of small-scale (100s of nodes) to large-scale specialized applications (e.g., environmental monitoring, etc.) that are intended to

Keywords: mobile wireless sensor networks, people-centric, urban sensing

#### 6 [A secure method for signature delegation to mobile agents](#)

 [Omair A. Bamasak](#), [Ning Zhang](#)

March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied Security  
Publisher: ACM

Full text available:  [Pdf](#) (179.36 KB) Additional Information: [full citation](#), [abstract](#), [referrer terms](#), [review](#)


Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 83, Citation

This paper presents a novel method that allows the delegation of signature to one or more entities that jointly play the role of a proxy signer. This work is

other related proxy signature schemes in that in addition to providing ..

Keywords: mobile agent security, non-repudiation, signature delegatio

## 7 Scalable security for petascale parallel file systems

 Andrew W. Leung, Ethan L. Miller, Stephanie Jones

November 2007 SC '07: Proceedings of the 2007 ACM/IEEE conference on S  
Publisher: ACM


Full text available:  Pdf (350.03 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 58, Citation (

Petascale, high-performance file systems often hold sensitive data and 1  
security, but authentication and authorization can dramatically reduce p  
Existing security solutions perform poorly in these environments becaus

Keywords: capabilities, high-performance computing, scalability, secur  
storage

## 8 Requirements for scalable access control and security management

 Angelos D. Keromytis, Jonathan M. Smith

May 2007 Transactions on Internet Technology (TOIT) , Volume 7 Issue 2  
Publisher: ACM


Full text available:  Pdf (365.56 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 326, Citatio

Maximizing local autonomy by delegating functionality to end nodes whi  
end-to-end design principle) has led to a scalable Internet. Scalability a  
for distributed control have unfortunately not extended well to resource

Keywords: Large-scale systems, access control, authorization, credent  
distributed systems, security policy, trust management

## 9 A new signature scheme: joint-signature

 Li-Sha He, Ning Zhang

March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied  
Publisher: ACM

Full text available:  Pdf (398.46 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)


Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 89, Citation (


A number of asymmetrical payment methods have been developed to e  
users to buy goods online by charging them to their mobile phone bills t  
operators. It has been recognized that these methods must be used in c  
with ...

Keywords: M-Commerce, M-Payment, digital signature, security protoc

10

## A DRM security architecture for home networks

-  [Bogdan C. Popescu, Bruno Crispo, Andrew S. Tanenbaum, Frank L.A.J. Kan](#)  
October 2004 DRM '04: Proceedings of the 4th ACM workshop on Digital rights management  
Publisher: ACM


Full text available:  Pdf (222.46 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 167, Citations: 1

This paper describes a security architecture allowing digital rights management in networks consisting of consumer electronic devices. The idea is to allow the establishment of dynamic groups, so called "Authorized Domains", where legal content can be distributed.


Keywords: DRM architectures, compliant CE devices, digital content protection

# 11 [Improving the granularity of access control for Windows 2000](#)

-  [Michael M. Swift, Anne Hopkins, Peter Brundrett, Cliff Van Dyke, Praerit Ganesh Chan, Mario Goertzel, Gregory Jensenworth](#)

November 2002 Transactions on Information and System Security (TISSEC)  
Issue 4

Publisher: ACM


Full text available:  Pdf (447.78 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 154, Citations: 1

This article presents the mechanisms in Windows 2000 that enable fine-grained centrally managed access control for both operating system component applications. These features were added during the transition from Windows NT support to the ...


Keywords: Access control lists, Microsoft Windows 2000, Windows NT, security

# 12 [Scalable security for large, high performance storage systems](#)

-  [Andrew W. Leung, Ethan L. Miller](#)

October 2006 StorageSS '06: Proceedings of the second ACM workshop on Storage security and survivability

Publisher: ACM


Full text available:  Pdf (449.27 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 83, Citations: 1

New designs for petabyte-scale storage systems are now capable of transferring hundreds of gigabytes of data per second, but lack strong security. We present a secure and efficient protocol for security in high performance, object-based storage systems.

Keywords: capabilities, object-based storage, scalability

# 13 [Agents for e-business applications](#)

-  [A. Negri, A. Poggi, M. Tomaiuolo, P. Turci](#)

May 2006 AAMAS '06: Proceedings of the fifth international joint conference on Autonomous agents and multiagent systems

Publisher: ACM


Full text available:  Pdf (320.72 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 248, Citation (

Web services are increasingly utilized by organizations that want to improve responsiveness and efficiency. While they may be used in an isolated way, integrating them as part of workflow processes is more and more felt. The creation ...

Keywords: agent-mediated e-business, ontology, security, service decomposition, web services, workflow

#### 14 [Adapting globus and kerberos for a secure ASCI grid](#)

 [Patrick C. Moore](#), [Wilbur R. Johnson](#), [Richard J. Detry](#)

November 2001 Supercomputing '01: Proceedings of the 2001 ACM/IEEE Supercomputing (CDROM)

Publisher: ACM


Full text available:  Pdf (143.26 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 28, Citation (

Porting a complex secure application from one security infrastructure to another is difficult or impractical. Grid security associated with the Globus toolkit is Grid Security Infrastructure (GSI) based on a Public Key Infrastructure

Keywords: ASCI, GSSAPI, globus, grid, kerberos, security

#### 15 [PlanetLab: an overlay testbed for broad-coverage services](#)

 [Brent Chun](#), [David Culler](#), [Timothy Roscoe](#), [Andy Bavier](#), [Larry Peterson](#), [Mic Bowman](#)

July 2003 SIGCOMM Computer Communication Review , Volume 33 Issue

Publisher: ACM

Full text available:  Pdf (158.92 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 187, Citation (

PlanetLab is a global overlay network for developing and accessing broad network services. Our goal is to grow to 1000 geographically distributed nodes connected by a diverse collection of links. PlanetLab allows multiple services concurrently ...

#### 16 [Methods and limitations of security policy reconciliation](#)

 [Patrick McDaniel](#), [Atul Prakash](#)

August 2006 Transactions on Information and System Security (TISSEC)

<sup>3</sup>  
Publisher: ACM

Full text available:  Pdf (621.63 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)


Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 241, Citation (

A security policy specifies session participant requirements. However, existing frameworks provide limited facilities for the automated reconciliation of policies. This paper considers the limits and methods of reconciliation in


purpose ...

Keywords: Security policy

#### 17 [Using certified policies to regulate E-commerce transactions](#)

 [Victoria Ungureanu](#)

February 2005 Transactions on Internet Technology (TOIT) , Volume 5 Is  
Publisher: ACM


Full text available:  Pdf (404.92 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 107, Citation

E-commerce regulations are usually embedded in mutually agreed upon contracts. Generally, these contracts enumerate agents authorized to participate in the transaction and spell out such things like rights and obligations of each partner, and

Keywords: Contract terms, Enforcement, Scalability

#### 18 [Mesh: secure, lightweight grid middleware using existing SSH infrastructure](#)

 [Paul Z. Kolano](#)

June 2007 SACMAT '07: Proceedings of the 12th ACM symposium on Access control and technologies  
Publisher: ACM


Full text available:  Pdf (178.90 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 91, Citation

Grid computing promises gains in effective computational power, resource accessibility, but in order to achieve these gains, organizations need middleware that, in most cases, does not adhere to fundamental security

Keywords: SSH, access control, authentication, authorization, delegation systems, grids, middleware, security, single sign-on

#### 19 [Secure long term communities in ad hoc networks](#)

 [Nicolas Prigent](#), [Christophe Bidan](#), [Jean-Pierre Andreaux](#), [Olivier Heen](#)

October 2003 SASN '03: Proceedings of the 1st ACM workshop on Security in sensor networks  
Publisher: ACM

Full text available:  Pdf (156.78 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 83, Citation

Until recently, ad hoc networks were mainly used for military and security applications. Nowadays, they could also be used in SOHO (Small Office Home) networks. In such networks, devices are linked by long term relationships

Keywords: ad hoc networks security, home network security, secure local community




### SELS: a secure e-mail list service

Himanshu Khurana, Adam Slagell, Ratael Bonilla

March 2005 SAC '05: Proceedings of the 2005 ACM symposium on Applied

Publisher: ACM

Full text available:  Pdf (218.91 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 43, Citation (




Exchange of private information content among a large number of users *Services* is becoming increasingly common. In this paper we address se requirements in that setting and develop a new protocol, SELS (a Secur

Keywords: electronic mail, mailing list, security

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